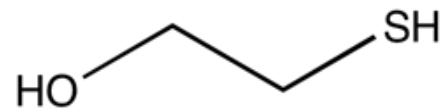


2-Mercaptoethanol, molecular biology grade**Identification**

C₂H₆OS
M = 78,13 g/mol
CAS [60-24-2]
EC number: 200-464-6
Taric code: 2930 90 99

**Synonyms**

Hydroxyethyl mercaptan, Thioethylene glycol, Thioglycol

Applications

for microbiology, protector for carbonyl groups, for the synthesis of: sulfides.

Specifications

assay (G.C.).....	min. 99 %	heavy metals (as Pb).....	max. 1 ppm
identity (IR-spectrum).....	passes test	water (K.F.).....	max. 0,2 %
		DNases, RNases, Proteases	non detected

Physical data

- Density: 1,12 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -100 °C
- Boiling point: 157 °C
- Flash point: 68 °C
- Ignition temperature: 295 °C
- Vapour pressure: (20 °C) 1 hPa
- Expl. limit (upper): 18 Vol%
- Expl. limit (lower): 2,3 Vol%

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H301: Toxic if swallowed.
H310: Fatal in contact with skin.
H314: Causes severe skin burns and eye damage.
H411: Toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 6.1 T1 II • UN 2966 • THIOGLYCOL
- IMDG: 6.1 II • UN 2966 • THIOGLYCOL
- IATA/ICAO: 6.1 II • UN 2966 • THIOGLYCOL
- PAX: 609
- CAO: 611
- 10°C - 30°C